

NASA Space Shuttle Program (SSP)
Mission Management Team (MMT) STS-114
Minutes of Meeting
August 7, 2005

The STS-114 Flight Day 13 (FD13) MMT meeting, chaired by Manager, Flight Operations and Integration, SSP, JSC-MO/John Shannon, was held August 7, 2005 at 2:00 p.m. Central Time (CT), Johnson Space Center (JSC), Building 30, Room 118. Member organizations supported at JSC and remote sites by video teleconference. Roster sheets for those that participated in this meeting are available. Following are highlights of the issues that were discussed.

A. Introduction – MMT Chairman

Mr. Shannon gave a few introductory remarks.

B. Flight Status – Mission Operations Directorate (MOD) Failure Summary

JSC-DA/Robert Castle summarized the FD13 mission events accomplished, as follows:

- 1) Flight control system (FCS) check-out.
- 2) Reaction control system (RCS) hotfire.
- 3) Cabin stow.
- 4) Window inspection.
- 5) Ku-Band antenna stow.

Station put control moment gyro (CMG) 3 into the steering law. This is the first time in three years that all four CMGs have been operating.

If a one-day weather wave-off is needed, the orbit adjust burn will occur at mission elapsed time (MET) 12/21:40 (7:22 a.m. CT, August 8, 2005) to reduce public risk and optimize de-orbit opportunities.

A review of the helmet camera video shows that the tool stowage assembly (TSA) latch is currently under the bracket (i.e., latched).

The STS-114 mission is proceeding per the nominal timeline, with no MMT decisions required.

C. Space Shuttle Safety and Mission Assurance (S&MA)

JSC-MX/Don Totton identified two new anomalies to the Risk Matrix (MER-27 and -28).

D. Integrated Anomalies/Issues Summary

JSC-MS/John Muratore presented the System Engineering and Integration (SE&I) Integrated Anomalies list, located on the MMT website at:

http://sspweb.jsc.nasa.gov/webdata/mmtmeeting/flt/114/050807.1400_D13/12_Integrate

[d Anomalies Issues Summary.pdf](#)

E. STS-114 Landing Weather

JSC Spaceflight Meteorology Group (SMG)/Tim Garner briefed weather conditions for the Monday morning landing at KSC. Some showers have been appearing at night moving toward KSC, but they are expected to dissipate by morning.

F. Orbiter and Government Furnished Equipment (GFE) Status

JSC-MV/Ed Mango reported on MER-28, R5R Low chamber pressure (p_c), and said that vernier RCS (VRCS) jet R5R exhibited lower than expected p_c during firings. The thruster's heater may be failed on. This jet is not required for normal vernier attitude hold or maneuvers. The jet has been performing acceptably and remains selected during crew sleep. S&MA agreed with Orbiter's assessment of the failure signature of the VRCS.

There was an unknown object in overhead window external tank (ET) imagery during ET separation on ascent. The picture shows no evidence of room-temperature vulcanizing (RTV) material, stitch lines, quilting stitches, emittance coating or ceramic coating, and is believed to match what appears to be ice formation photographed on ascent in the ET umbilical area.

G. Management Decisions Summary

No management decisions were made by the MMT at this meeting, and no poll was taken. The Mission Operations Directorate (MOD) landing plan presented yesterday is still in effect.

H. Conclusion

Mr. Shannon stated that if there were a wave-off, the next MMT would be scheduled for 2:00 p.m. CT, Monday, August 8, 2005.

Detailed information on all assigned actions for this meeting can be found on the MMT Action log, located on the MMT web site at:

http://sspweb.jsc.nasa.gov/webdata/mmtmeeting/flt/114/050807.1400_D13/Actionlog.pdf

The MMT web site is available at <http://sspweb.jsc.nasa.gov/mmt/>.

The meeting adjourned at 2:31 p.m. CT.

MMT: August 7, 2005

Minutes Prepared By:

<u>Don W. Kulba</u>	<u>August 7, 2005</u>
Minutes Writer	Date

Approvals:

<u>Jamie R. Shumbera</u>	<u>August 7, 2005</u>
MMT Secretary	Date

<u>J. J. Conwell</u>	<u>August 7, 2005</u>
Customer Support Room (CSR) Duty Officer	Date

MEETING ATTENDANCE ROSTER

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MEETING TITLE: STS-114 MMT Flight Day 11

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Stokor McMillan	MS3	35913

FAX completed Attendance Sheets to (281) 483-4082

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MEETING TITLE: STS-114 MMT Flight Day 11

LOCATION: JSC

DATE: 08/06/05

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MEETING ATTENDANCE ROSTER

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MEETING ATTENDANCE ROSTER

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DATE: 08/07/05

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